

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. Serial No. Applicant § 371 Date Group IDS Filed	50125/114001 10/587,426 Hopf et al. June 26, 2007 1649 October 22, 2009
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
	4,816,397	03/28/89	Boss et al.
	4,816,567	03/28/89	Cabilly et al.
	4,980,286	12/25/90	Morgan et al.
	5,096,815	03/17/92	Ladner et al.
	5,198,346	03/30/93	Ladner et al.
	5,223,409	06/29/93	Ladner et al.
	5,225,539	07/06/93	Winter
	5,498,538	03/12/96	Kay et al.
	5,545,806	08/13/96	Lonberg et al.
	5,569,825	10/29/96	Van der Loo et al.
	5,582,981	12/10/96	Toole et al.
	5,585,089	12/17/96	Queen et al.
	5,625,126	04/29/97	Lonberg et al.
	5,633,425	05/27/97	Lonberg et al.
	5,661,016	08/26/97	Lonberg et al.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	CA 2 381 952	3/8/01	Canada	
	WO0009716	2/24/00	WIPO	

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
	WO0116355	3/8/01	WIPO	Abstract Only
	EP0125023	11/14/84	EPO	
	EP0171496	2/19/86	EPO	
	EP0173494	3/5/86	EPO	
	EP0184187	6/11/86	EPO	
	EP0368684	5/16/90	EPO	
	EP1105508	6/13/01	EPO	
	WO8601533	3/13/86	WIPO	
	WO8702671	5/7/87	WIPO	
	WO8801649	3/10/88	WIPO	
	WO8809810	12/15/88	WIPO	
	WO8910134	11/2/89	WIPO	
	WO9002809	3/22/90	WIPO	
	WO9011364	10/4/90	WIPO	
	WO9117271	11/14/91	WIPO	
	WO9201047	1/23/92	WIPO	
	WO9209690	6/11/92	WIPO	
	WO9215679	9/17/92	WIPO	
	WO9218619	10/29/92	WIPO	
	WO9220791	11/26/92	WIPO	
	WO9301288	1/21/93	WIPO	
	WO9306213	4/1/93	WIPO	

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION			
	WO9320242	10/14/93	WIPO
	WO9418318	8/18/94	WIPO
	WO9511910	5/4/95	WIPO
	WO9729116	8/14/97	WIPO
	WO9815828	4/16/98	WIPO
	WO9824884	6/11/98	WIPO
	WO9837240	8/27/98	WIPO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Albala, "Array-based proteomics: the latest chip challenge" Expert Rev Mol Diagn. 2001 1:145-152.
	Amarzguioui and Prydz, "Hammerhead ribozyme design and application" Cell Mol Life Sci. 1998; 54: 1175-1202.
	Andrau et al., "BACE1- and BACE2-expressing human cells: characterization of beta-amyloid precursor protein-derived catabolites, design of a novel fluorimetric assay, and identification of new in vitro inhibitors" J Biol Chem. 2003 Jul 11; 278:25859-25866. Epub 2003 May 7.
	Annaert and de Strooper "A cell biological perspective on Alzheimer's disease" Annu Rev Cell Dev Biol. 2002; 18:25-51. Epub 2002 Apr 2.
	Bayer et al., "Dietary Cu stabilizes brain superoxide dismutase 1 activity and reduces amyloid $\alpha\beta$ production in APP23 transgenic mice" Proc Natl Acad Sci. Vol. 2003 Nov 25;100(24):14187-92. Epub 2003 Nov 14.
	Beidler et al., "Cloning and high level expression of a chimeric antibody with specificity for human carcinoembryonic antigen" J Immunol. 1988 Dec 1; 141(11): 4053-60.
	Beigelman et al. "Synthesis and biological activities of a phosphorodithioate analog of 2', 5'-oligoadenylate" Nucleic Acids Res. 1995 Oct 11; 23(19): 3989-94.
	Bellingham et al., "Copper depletion down-regulates expression of the Alzheimer's disease amyloid-beta precursor protein gene" J Biol Chem. 2004 May 7; 279(19): 20378-20386. Epub 2004 Feb 25.
	Benoist and Chambon, "In vivo sequence requirements of the SV40 early promoter region" Nature. 1981 Mar 26; 290(5804):304-310.

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	Beste et al., "Small antibody-like proteins with prescribed ligand specificities derived from the lipocalin fold" Proc Natl Acad Sci USA. 1999 Mar 2; 96(5):1898-1903.
	Better et al., "Escherichia coli secretion of an active chimeric antibody fragment" Science. 1988 May 20; 240(4855):1041-1043.
	Blasko et al., "Experimental traumatic brain injury in rats stimulates the expression, production and activity of Alzheimer's disease beta-secretase (BACE-1)" J Neural Transm. 2004 Apr; 111(4): 523-536. Epub 2004 Feb 4.
	Blawas and Reichert, "Protein patterning" Biomaterials. 1998 Apr-May; 19(7-9):595-609.
	Bock et al., "Selection of single-stranded DNA molecules that bind and inhibit human thrombin" Nature. 1992 Feb 6;355(6360):564-566.
	Brenner and Lerner, "Encoded combinatorial chemistry" Proc Natl Acad Sci USA 1992 Jun 15;89(12):5381-5383.
	Brinster et al., "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs" Nature. 1982 Mar 4;296(5852):39-42.
	Brody and Gold, "Aptamers as therapeutic and diagnostic agents" Rev. Mol. Biotechnol. 74:5-13, 2000.
	Buchwald et al., "Long-term, continuous intravenous heparin administration by an implantable infusion pump in ambulatory patients with recurrent venous thrombosis" Surgery. 1980 Oct; 88(4):507-516.
	Bunin et al., "The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library" Proc Natl Acad Sci U S A. 1994 May 24;91(11):4708-4712.
	Cao and Südhof, "A transcriptionally active complex of APP with Fe65 and histone acetyltransferase Tip60" Science. 2001 Jul 6;293(5527):115-120.
	Chelly et al., "Isolation of a candidate gene for Menkes disease that encodes a potential heavy metal binding protein" Nat Genet. 1993 Jan;3(1):14-19.
	Chen et al., "Geometric control of cell life and death" Science. 1997 May 30;276(5317):1425-1428.
	Cherny et al., "Treatment with a copper-zinc chelator markedly and Rapidly Inhibits β-Amyloid Accumulation in Alzheimers Disease Transgenic Mice" Neuron, vol. 30, No. 3, pages 665-676, June 2001.
	Cobbold et al., "Novel membrane traffic steps regulate the exocytosis of the Menkes disease ATPase" Hum Mol Genet. 2002 Nov 1;11(23):2855-2866.
	Cobbold et al., "The Menkes disease ATPase (ATP7A) is internalized via a Rac1-regulated, clathrin- and caveolae-independent pathway" Hum Mol Genet. 2003 Jul 1;12(13):1523-1533.

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	Cole et al., "Monoclonal Antibodies and Cancer Therapy" Alan R. Liss, Inc. pp. 77-96, 1985.
	Couture and Stinchcomb, "Anti-gene therapy: the use of ribozymes to inhibit gene function" Trends Genet. 1996 Dec;12(12):510-515.
	De Strooper et al., "A presenilin-1-dependent gamma-secretase-like protease mediates release of Notch intracellular domain" Nature. 1999 Apr 8;398(6727):518-522.
	De Strooper et al., "Deficiency of presenilin-1 inhibits the normal cleavage of amyloid precursor protein" Nature. 1998 Jan 22;391(6665):387-390.
	Diamond, et al., "Monoclonal antibodies. A new technique for producing serologic reagents" N Engl J Med. 1981 May 28;304(22):1344-1349.
	During et al., "Controlled release of dopamine from a polymeric brain implant: in vivo characterization" Ann Neurol. 1989 Apr;25(4):351-356.
	Ekins, "Multi-analyte immunoassay" J Pharm Biomed Anal. 1989;7(2):155-168.
	Elbashir et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells" Nature. 2001 May 24;411(6836):494-498.
	Elbashir et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs" Genes Dev. 2001 Jan 15;15(2):188-200.
	Ellington and Szostak, "Selection in vitro of single-stranded DNA molecules that fold into specific ligand-binding structures" Nature. 1992 Feb 27;355(6363):850-852.
	Erb et al., "Recursive deconvolution of combinatorial chemical libraries" Proc Natl Acad Sci USA. 1994 Nov 22;91(24):11422-11426.
	Figueys and Pinto, "Proteomics on a chip: promising developments" Electrophoresis. 2001 Jan;22(2):208-216.
	Fowlkes et al., "Multipurpose vectors for peptide expression on the M13 viral surface" Bio Techniques 13:422-427, 1992.
	Francis et al., "aph-1 and pen-2 are required for Notch pathway signaling, gamma-secretase cleavage of betaAPP, and presenilin protein accumulation" Dev Cell. 2002 Jul;3(1):85-97.
	Fuchs et al., "Targeting Recombinant Antibodies to the Surface of Escherichia coli: Fusion to A Peptidoglycan Associated Lipoprotein" Biotechnology 9:1369-1372, 1991.

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	Gallo et al., "Applications of combinatorial technologies to drug discovery. 1. Background and peptide combinatorial libraries" J Med Chem. 1994 Apr 29;37(9):1233-1251.
	Gautier et al., "Alpha-DNA. IV: Alpha-anomeric and beta-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding" Nucleic Acids Res. 1987 Aug 25;15(16):6625-6641.
	Georgakopoulos et al., "Presenilin-1 forms complexes with the cadherin/catenin cell-cell adhesion system and is recruited to intercellular and synaptic contacts" Mol Cell. 1999 Dec;4(6):893-902.
	Goodson, Medical Applications of Controlled Release, Vol. 2, pp 115-138, 1984.
	Griffiths et al., "Human anti-self antibodies with high specificity from phage display libraries" EMBO J. 1993 Feb;12(2):725-734.
	Hay et al., "Bacteriaophage cloning and Escherichia coli expression of a human IgM Fab" Hum. Antibod. Hybridomas 3:81-85, 1992.
	Honore, "Genome- and proteome-based technologies: status and applications in the postgenomic era" Expert Rev Mol Diagn. 2001 Sep;1(3):265-274.
	Hopf et al., "Discovery of New Therapeutic Targets By Integrated Protein Pathway and Chemical Proteomic Analysis of App Processing" Society for Neuroscience Abstracts, vol. 2003, page 1.
	Hou et al., "Functional analysis of chimeric proteins of the Wilson Cu(I)-ATPase (ATP7B) and ZntA, a Pb(II)/Zn(II)/Cd(II)-ATPase from Escherichia coli" J. Biol. Chem. 276:40858-40863, 2001.
	Houghten et al., "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery" Nature 354:84-86, 1991.
	Houghten et al., "The use of synthetic peptide combinatorial libraries for the identification of bioactive peptides" Biotechniques. 1992 Sep;13(3):412-421.
	Howard et al., "Acute subdural hematomas: an age-dependent clinical entity" J Neurosurg. 1989 Dec;71(6):858-863.
	Hsi et al., "Functional assessment of the carboxy-terminus of the Wilson disease copper-transporting ATPase, ATP7B" Genomics. 2004 Mar; 83(3):473-481.
	Huse et al., "Generation of a large combinatorial library of the immunoglobulin repertoire in phage lambda" Science. 1989 Dec 8;246(4935):1275-1281.

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	Inoue et al., "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H" FEBS Lett. 1987 May 11;215(2):327-330.
	Inoue et al., "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides" Nucleic Acids Res. 1987 Aug 11;15(15):6131-6148.
	Jayasena, "Aptamers: an emerging class of molecules that rival antibodies in diagnostics" Clin Chem. 1999 Sep;45(9):1628-1650.
	Jaywickreme et al., "Creation and functional screening of a multi-use peptide library" Proc Natl Acad Sci U S A. 1994 Mar 1;91(5):1614-1618.
	Jespers et al., "Guiding the Selection of Human Antibodies from Phage Display Repertoires to a Single Epitope of an Antigen" Bio/Technology 12:899-903, 1994.
	Joliot et al., "Antennapedia homeobox peptide regulates neural morphogenesis" Proc Natl Acad Sci U S A. 1991 Mar 1;88(5):1864-1868.
	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse" Nature. 1986 May 29-Jun 4;321(6069):522-525.
	Kadonaga and Tijan, "Affinity purification of sequence-specific DNA binding proteins" Proc Natl Acad Sci U S A. 1986 Aug;83(16):5889-5893.
	Kane et al., "Patterning proteins and cells using soft lithography" Biomaterials. 1999 Dec;20(23-24):2363-2376.
	Karlstrom and Nygren, "Dual labeling of a binding protein allows for specific fluorescence detection of native protein" Anal Biochem. 2001 Aug 1;295(1):22-30.
	Kauvar et al., "Predicting ligand binding to proteins by affinity fingerprinting" Chem Biol. 1995 Feb;2(2):107-118.
	Kauvar, "Affinity Fingerprinting" Bio/Technology 13, 965-966, 1995.
	Kauvar, "Toxic-Chemical Detection by Pattern Recognition in New Frontiers in Agrochemical Immunoassay" AOAC: Washington, D.C., 305-312, 1995.
	Kay et al., "An M13 phage library displaying random 38-amino-acid peptides as a source of novel sequences with affinity to selected targets" Gene. 1993 Jun 15;128(1):59-65.
	Kennedy et al., "Measuring human beta-secretase (BACE1) activity using homogeneous time-resolved fluorescence" Anal Biochem. 2003 Aug 1;319(1):49-55.
	Klug and Famulok, "All you wanted to know about SELEX" Mol. Biol. Rep., 1994;20(2):97-107.

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	Klussman et al., "Mirror-image RNA that binds D-adenosine" Nat Biotechnol. 1996 Sep;14(9):1112-1115.
	Köhler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity" Nature. 1975 Aug ;256(5517):495-497.
	Kopan and Goate "A common enzyme connects notch signaling and Alzheimer's disease" Genes Dev. 2000 Nov 15;14(22):2799-2806.
	Kozbor and Roder, "The production of monoclonal antibodies from human lymphocytes" Immunol. Today 4:72-79, 1983.
	Krol et al., "Modulation of eukaryotic gene expression by complementary RNA or DNA sequences" Biotechniques. 1988 Nov-Dec;6(10):958-76.
	Lam et al., "A new type of synthetic peptide library for identifying ligand-binding activity" Nature. 1991 Nov 7;354(6348):82-84.
	Lander et al., "Initial sequencing and analysis of the human genome" Nature. 409:860-921, 2001.
	Langer and Peppas, "Chemical and Physical Structure of Polymers as Carriers for Controlled Rele Chem. 23:61-126, 1983.
	Langer, "New methods of drug delivery" Science. 1990 Sep 28;249(4976):1527-1533.
	Lee et al., "Protein nanoarrays generated by dip-pen nanolithography" Science. 2002 Mar 1;295(5560):1702-1705. Epub 2002 Feb 7.
	Lee, "Proteomics: a technology-driven and technology-limited discovery science" Trends Biotechnol. 2001 Jun;19(6):217-222.
	Lemaitre et al., "Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site" Proc Natl Acad Sci USA. 1987 Feb;84(3):648-652.
	Leonetti et al., "Antibody-targeted liposomes containing oligodeoxyribonucleotides complementary to viral RNA selectively inhibit viral replication" Proc Natl Acad Sci USA. 1990 Apr;87(7):2448-2451.
	Letsinger et al., "Cholesteryl-conjugated oligonucleotides: synthesis, properties, and activity as inhibitors of replication of human immunodeficiency virus in cell culture" Proc Natl Acad Sci USA. 1989 Sep;86(17):6553-6556.
	Levy et al., "Inhibition of calcification of bioprosthetic heart valves by local controlled-release diphosphonate" Science 228:190-192, 1985.

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	Li and Südhof, "Cleavage of amyloid-beta precursor protein and amyloid-beta precursor-like protein by BACE 1" J Biol Chem. 2004 Mar 12;279(11):10542-10550. Epub 2003 Dec 29.
	Liu et al., "Chimeric mouse-human IgG1 antibody that can mediate lysis of cancer cells" Proc Natl Acad Sci USA. 1987 May;84(10):3439-3443.
	Liu et al., "Production of a mouse-human chimeric monoclonal antibody to CD20 with potent Fc-dependent biologic activity" J Immunol. 1987 Nov 15;139(10):3521-3526.
	Lonberg and Huszar, "Human antibodies from transgenic mice" Int Rev Immunol. 1995;13(1):65-93.
	Lopez-Berestein, "Liposomes in therapy of infectious diseases and cancer" Alan R. Liss, Inc. 317-327, 1989.
	Lüthi et al., "Human beta-secretase activity in yeast detected by a novel cellular growth selection system" Biochim Biophys Acta. 2003 Mar 17;1620(1-3):167-178.
	MacBeath and Schreiber "Printing proteins as microarrays for high-throughput function determination" Science. 2000 Sep 8;289(5485):1760-1763.
	Mahler et al., "Cloning and expression of human V-genes derived from phage display libraries as fully assembled human anti-TNF alpha monoclonal antibodies" Immunotechnology. 1997 Mar;3(1):31-43.
	Matter, "Selecting optimally diverse compounds from structure databases: a validation study of two-dimensional and three-dimensional molecular descriptors" J Med Chem. 1997 Apr 11;40(8):1219-1229.
	McDonnell, "Surface plasmon resonance: towards an understanding of the mechanisms of biological molecular recognition" Curr Opin Chem Biol. 2001 Oct;5(5):572-577.
	Medynski, "Synthetic peptide combinatorial libraries" Biotechnology (N Y). 1994 Jul;12(7):709-710.
	Mercer et al., "Isolation of a partial candidate gene for Menkes disease by positional cloning" Nat Genet. 1993 Jan;3(1):20-25.
	Mitchell, "A perspective on protein microarrays" Nature Biotechnology 20, 225 - 229 (2002).
	Morrison, "Transfectomas provide novel chimeric antibodies" Science. 1985 Sep 20;239(4719):1202-1207.
	Multhaup et al., "The amyloid precursor protein of Alzheimer's disease in the reduction of copper(II) to copper(I)" Science. 1996 Mar 8;271(5254):1406-1409.
	Naqvi et al., "Beta galactosidase enzyme fragment complementation as a high-throughput screening protease technology" J Biomol Screen. 2004 Aug;9(5):398-407.

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	Nellen and Lichtenstein, "What makes an mRNA anti-sense-itive?" Trends Biochem Sci. 1993 Nov;18(11):419-423.
	Nelson et al., "Biosensor chip mass spectrometry: a chip-based proteomics approach" Electrophoresis. 2000 Apr;21(6):1155-1163.
	Nishimura et al., "Recombinant human-mouse chimeric monoclonal antibody specific for common acute lymphocytic leukemia antigen" Cancer Res. 1987 Feb 15;47(4):999-1005.
	Nolte et al., "Mirror-design of L-oligonucleotide ligands binding to L-arginine" Nat Biotechnol. 1996 Sep;14(9):1116-1119.
	Nord et al., "Binding proteins selected from combinatorial libraries of an alpha-helical bacterial receptor domain" Nat Biotechnol. 1997 Aug;15(8):772-777.
	Nord et al., "Recombinant human factor VIII-specific affinity ligands selected from phage-displayed combinatorial libraries of protein A" Eur J Biochem. 2001 Aug;268(15):4269-4277.
	Oh et al., "Cell-based assay for beta-secretase activity" Anal Biochem. 2003 Dec 1;323(1):7-11.
	Ohlmeyer et al., "Complex synthetic chemical libraries indexed with molecular tags" Proc Natl Acad Sci U S A. 1993 Dec 1;90(23):10922-10926.
	Oi and Morrison, "Chimeric Antibodies" Biotechniques, 1986 Jan;4:214-219.
	Oldenburg et al., "Peptide ligands for a sugar-binding protein isolated from a random peptide library" Proc Natl Acad Sci USA. 1992 Jun 15;89(12):5393-5397.
	Ostresh et al., "Libraries from libraries": chemical transformation of combinatorial libraries to extend the range and repertoire of chemical diversity" Proc Natl Acad Sci USA. 1994 Nov 8;91(23):11138-11142.
	Parmley and Smith "Antibody-selectable filamentous fd phage vectors: affinity purification of target genes" Gene. 1988 Dec 20;73(2):305-318.
	Parmley and Smith "Filamentous fusion phage cloning vectors for the study of epitopes and design of vaccines" Adv Exp Med Biol. 1989;251:215-218.
	Pascale et al., "Endosomal trafficking of the Menkes copper ATPase ATP7A is mediated by vesicles containing the Rab7 and Rab5 GTPase proteins" Exp Cell Res. 2003 Dec 10;291(2):377-385.
	Pearson et al., "Analytical aspects of biosensors" Ann Clin Biochem. 2000 Mar;37 (Pt 2):119-145.
	Perkins et al., "Probability-based protein identification by searching sequence databases using mass spectrometry data" Electrophoresis. 1999 Dec;20(18):3551-3567.

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Persidis, "Ribozyme therapeutics" Nat Biotechnol. 1997 Sep;15(9):921-922.
	Petricoin et al., "Use of proteomic patterns in serum to identify ovarian cancer" Lancet. 2002 16;359(9306):572-577.
	Petris et al., "The Menkes copper transporter is required for the activation of tyrosinase" Hum Mol Genet. 2000 Nov 22;9(19):2845-51.
	Rebar and Pabo, "Zinc finger phage: affinity selection of fingers with new DNA-binding specificities" Science. 1994 Feb 4;263(5147):671-673.
	Renneisen et al., "Inhibition of expression of human immunodeficiency virus-1 in vitro by antibody-targeted liposomes containing antisense RNA to the env region" J Biol Chem. 1990 Sep 25;265(27):16337-16342.
	Rigaut et al., "A generic protein purification method for protein complex characterization and proteome exploration" Nat Biotechnol. 1999 Oct;17(10):1030-1032.
	Ritchie et al., "Metal-protein attenuation with iodochlorhydroxyquin (clioquinol) targeting Abeta amyloid deposition and toxicity in Alzheimer disease: a pilot phase 2 clinical trial" Arch Neurol. 2003 Dec;60(12):1685-1691; Correction published Arch Neurol. 2004 May;61:776.
	Roberts, "Totally in vitro protein selection using mRNA-protein fusions and ribosome display" Curr Opin Chem Biol. 1999 Jun;3(3):268-273.
	Runz et al., "Inhibition of intracellular cholesterol transport alters presenilin localization and amyloid precursor protein processing in neuronal cells" J Neurosci. 2002 Mar 1;22(5):1679-1689.
	Salmon et al., "Discovery of biologically active peptides in random libraries: solution-phase testing after staged orthogonal release from resin beads" Proc Natl Acad Sci USA. 1993 Dec 15;90(24):11708-11712.
	Samimi et al., "Increase in expression of the copper transporter ATP7A during platinum drug-based treatment is associated with poor survival in ovarian cancer patients" Clin Cancer Res. 2003 Dec 1;9(16 Pt 1):5853-5859.
	Samimi et al., "Increased expression of the copper efflux transporter ATP7A mediates resistance to cisplatin, carboplatin, and oxaliplatin in ovarian cancer cells" Clin Cancer Res. 2004 Jul 15;10(14):4661-4669.
	Sarin et al., "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates" Proc Natl Acad Sci USA. 1988 Oct;85(20):7448-7451.
	Sarver et al., "Ribozymes as potential anti-HIV-1 therapeutic agents" Science. 1990 Mar 9;247(4947):1222-1225.
	Saudek et al., "A preliminary trial of the programmable implantable medication system for insulin delivery" N Engl J Med. 1989 Aug 31;321(9):574-579.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. Serial No. Applicant § 371 Date Group IDS Filed	50125/114001 10/587,426 Hopf et al. June 26, 2007 1649 October 22, 2009
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Scott and Smith, "Searching for peptide ligands with an epitope library" Science. 1990 Jul 27;249(4967):386-390.
	Sefton "Implantable pumps" Crit Rev Biomed Eng. 14:201-240, CRC Press 1987.
	Shaw et al., "Mouse/human chimeric antibodies to a tumor-associated antigen: biologic activity of the four human IgG subclasses" J Natl Cancer Inst. 1988 Dec 7;80(19):1553-1559.
	Shevchenko et al. "Mass Spectrometric Sequencing of Proteins from Silver-Stained Polyacrylamide Gels" Anal Chem. 68:850-858 1996.
	Simon et al., "Peptoids: a modular approach to drug discovery" Proc Natl Acad Sci USA. 1992 Oct 15;89(20):9367-9371.
	Skerra, "Engineered protein scaffolds for molecular recognition" J Mol Recognit. 2000 Jul-Aug;13(4):167-187.
	Skerra, "Lipocalins as a scaffold" Biochim Biophys Acta. 2000 Oct 18;1482(1-2):337-350.
	Slepak, "Application of surface plasmon resonance for analysis of protein-protein interactions in the G protein-mediated signal transduction pathway" J Mol Recognit. 2000 Jan-Feb;13(1):20-26.
	Somia et al. "Retroviral vector targeting to human immunodeficiency virus type 1-infected cells by receptor pseudotyping" J Virol. 2000 May;74(9):4420-4.
	Somia et al., "LFG: an anti-apoptotic gene that provides protection from Fas-mediated cell death" Proc Natl Acad Sci USA. 1999 Oct 26;96(22):12667-12672.
	Staudt et al., "Cloning of a lymphoid-specific cDNA encoding a protein binding the regulatory octamer DNA motif" Science. 1988 Jul 29;241(4865):577-580.
	Stein "Anti-sense oligodeoxynucleotides – promises and pitfalls" Leukemia. 1992 Oct;6(10):967-974.
	Stein et al., "Physicochemical properties of phosphorothioate oligodeoxynucleotides" Nucleic Acids Res. 1988 Apr 25;16(8):3209-3221.
	Sun et al., "Chimeric antibody with human constant regions and mouse variable regions directed against carcinoma-associated antigen 17-1A" Proc Natl Acad Sci USA. 1987 Jan;84(1):214-218.
	Templin et al., "Protein microarray technology" Trends Biotechnol. 2002 Apr;20(4):160-6.
	Tian et al., "Linear non-competitive inhibition of solubilized human gamma-secretase by pepstatin A methylester, L685458, sulfonamides, and benzodiazepines" J Biol Chem. 2002 Aug 30;277(35):31499-31505. Epub 2002 Jun 18.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Treat et al., "Liposome encapsulated doxorubicin preliminary results of phase I and phase II trials" Liposomes in the Therapy of Infectious Disease and Cancer, Lopez-Berestein and Fidler, eds., Liss, New York, pp 353-365, 1989.
	Treiber et al., "Clioquinol mediates copper uptake and counteracts copper efflux activities of the amyloid precursor protein of Alzheimer's disease" J Biol Chem. 2004 Dec 10;279(50):51958-51964. Epub 2004 Sep 30.
	Tuerk et al., "RNA pseudoknots that inhibit human immunodeficiency virus type 1 reverse transcriptase" Proc Natl Acad Sci USA. 1992 Aug 1;89(15):6988-6992.
	Uhlmann and Peyman., "Antisense Oligonucleotides: A New Therapeutic Principle" Chemical Reviews 90(4): 544-584, 1990.
	Vaish et al., "Recent developments in the hammerhead ribozyme field" Nucleic Acids Res. 1998 Dec 1;26(23):5237-5242.
	Vassar et al., "Beta-secretase cleavage of Alzheimer's amyloid precursor protein by the transmembrane aspartic protease BACE" Science. 1999 Oct 22;286(5440):735-741.
	Vaughan et al., "Human antibodies with sub-nanomolar affinities isolated from a large non-immunized phage display library" Nat Biotech. 14:309-314, 1996.
	Vely et al., "BIAcore analysis to test phosphopeptide-SH2 domain interactions" Methods Mol Biol. 2000;121:313-321.
	Verhoeven et al., "Reshaping human antibodies: grafting an antilysozyme activity" Science. 1988 Mar 25;239(4847):1534-1536.
	Voskoboinik et al., "Mutational analysis of the Menkes copper P-type ATPase (ATP7A)" Biochem Biophys Res Commun. 2003 Feb 7;301(2):488-494.
	Voskoboinik et al., "The Regulation of Catalytic Activity of the Menkes Copper-translocating P-type ATPase" J. Biol. Chem., Vol. 276, Issue 30, 28620-28627, July 27, 2001.
	Vulpe et al., "Isolation of a candidate gene for Menkes disease and evidence that it encodes a copper-transporting ATPase" Nat Genet. 1993 Jan;3(1):7-13.
	Waggoner et al., "The role of copper in neurodegenerative disease" Neurobiology of Disease, 6(4):221-230, 1999.
	Wagner et al., "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1" Proc Natl Acad Sci USA. 1981 Mar;78(3):1441-1445.
	Weinberger et al., "Recent trends in protein biochip technology" Pharmacogenomics. 2000 Nov;1(4):395-416.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. 50125/114001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No. 10/587,426
		Applicant Hopf et al.
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		Group 1649
(37 C.F.R. § 1.98(b))		IDS Filed October 22, 2009

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Wilson and Nock, "Functional protein microarrays" Curr Opin Chem Biol. 2002 Feb;6(1):81-85.
	Winter and Milstein, "Man-made antibodies" Nature. 1991 Jan 24;349(6307):293-299.
	Wood et al., "The synthesis and in vivo assembly of functional antibodies in yeast" Nature. 1985 Apr 4-10;314(6010):446-449.
	Wu and Wu "Receptor-mediated in vitro gene transformation by a soluble DNA carrier system" J Biol Chem. 1987 Apr 5;262(10):4429-4432.
	Xia et al., "Interaction between amyloid precursor protein and presenilins in mammalian cells: implications for the pathogenesis of Alzheimer disease" Proc Natl Acad Sci USA. 1997 Jul 22;94(15):8208-8213.
	Yacyshyn et al., "A placebo-controlled trial of ICAM-1 antisense oligonucleotide in the treatment of Crohn's disease" Gastroenterology. 1998 Jun;114(6):1133-1142.
	Yamamoto et al., "Identification of a functional promoter in the long terminal repeat of Rous sarcoma virus" Cell. 1980 Dec;22(3):787-797.
	Yan et al., "Membrane-anchored aspartyl protease with Alzheimer's disease beta-secretase activity" Nature. 1999 Dec 2;402(6761):533-537.
	Yu et al., "The Presenilin 1 protein is a compound of a high molecular weight intracellular complex that contains β -Catenin" J Biol Chem 273:16470-16475, 1998.
	Yu et al., "Nicastrin modulates presenilin-mediated notch/glp-1 signal transduction and betaAPP processing" Nature. 2000 Sep 7;407(6800):48-54.
	Yu et al., "Structural basis for the binding of proline-rich peptides to SH3 domains" Cell. 1994 Mar 11;76(5):933-945.
	Zheng and Kemeny, "Inhibition of gene expression by anti-sense oligodeoxynucleotides" Clin Exp Immunol. 1995 Jun;100(3):380-382.
	Zon, "Oligonucleotide analogues as potential chemotherapeutic agents" Pharm Res. 1988 Sep;5(9):539-549.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	